

U.S. DEPARTMENT OF LABOR  
Occupational Safety and Health Administration

Form Approved  
OMB No. 44-R1387

# MATERIAL SAFETY DATA SHEET

Required under USDL Safety and Health Regulations for Ship Repairing,  
Shipbuilding, and Shipbreaking (29 CFR 1915, 1916, 1917)

## SECTION I

MANUFACTURER'S NAME <b>Essex Chemical Corp., Coast Pro-Seal Division</b>		EMERGENCY TELEPHONE NO. <b>(213) 636-0851</b>
ADDRESS (Number, Street, City, State, and ZIP Code) <b>19451 Susana Road, Compton, CA 90221</b>		
CHEMICAL NAME AND SYNONYMS <b>N/A</b>	TRADE NAME AND SYNONYMS <b>Pro-Seal 590</b>	
CHEMICAL FAMILY <b>N/A</b>	FORMULA <b>N/A</b>	

## SECTION II - HAZARDOUS INGREDIENTS

PAINTS, PRESERVATIVES, & SOLVENTS	%	TLV (Units)	ALLOYS AND METALLIC COATINGS	%	TLV (Units)
<del>XXXXXXXX</del> Synthetic Rubber	15-20		BASE METAL		
<del>XXXXXXXX</del> Phenolic Resins	10-15		ALLOYS		
<del>XXXXXXXX</del> Fillers & Curatives	1.5-2.5		METALLIC COATINGS		
<del>XXXXXXXX</del> Methyl Ethyl Ketone	55-60		FILLER METAL PLUS COATING OR CORE FLUX		
<del>XXXXXXXX</del> Methyl Isobutyl Ketone	10-15		OTHERS		
OTHERS					
HAZARDOUS MIXTURES OF OTHER LIQUIDS, SOLIDS, OR GASES				%	TLV (Units)

## SECTION III - PHYSICAL DATA

BOILING POINT (°F.) Solvent	175	SPECIFIC GRAVITY (H <sub>2</sub> O=1)	0.9
VAPOR PRESSURE (mm Hg.)	70	PERCENT VOLATILE BY VOLUME (%)	75
VAPOR DENSITY (AIR=1)	2.5	EVAPORATION RATE (_____=1)	4.6
SOLUBILITY IN WATER	Moderate		
APPEARANCE AND ODOR	Brown fluid-ketone odor		

## SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (Method used)	28°F Open Cup	FLAMMABLE LIMITS	Lel	Uel
			1.8	11.5
EXTINGUISHING MEDIA	CO <sub>2</sub> , dry chemical, foam			
SPECIAL FIRE FIGHTING PROCEDURES	Avoid use of water in open fire			
UNUSUAL FIRE AND EXPLOSION HAZARDS	Red label material. Closed containers may explode in major fire.			

SECTION V - HEALTH HAZARD DATA	
THRESHOLD LIMIT VALUE	MEK-200 ppm MIBK-100 ppm
EFFECTS OF OVEREXPOSURE	Irritation of skin may occur. Inhalation: Irritation of mucous surfaces. Depressant on central nervous system
EMERGENCY AND FIRST AID PROCEDURES	Skin: Wash thoroughly with water. Eyes: Flush copiously with water. Inhalation: Remove to fresh air, resuscitation if required. Ingestion: Consult physician immediately

SECTION VI - REACTIVITY DATA			
STABILITY	UNSTABLE		CONDITIONS TO AVOID
	STABLE	X	Avoid open flame, spark, etc.
INCOMPATIBILITY (Materials to avoid)			
HAZARDOUS DECOMPOSITION PRODUCTS Burning CO, CO <sub>2</sub> , H <sub>2</sub> O,			
HAZARDOUS POLYMERIZATION	MAY OCCUR		CONDITIONS TO AVOID
	WILL NOT OCCUR	X	

SECTION VII - SPILL OR LEAK PROCEDURES	
STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED	
Remove with ketone or aromatic solvents.	
WASTE DISPOSAL METHOD	
Dispose of contaminated waste by burning.	

SECTION VIII - SPECIAL PROTECTION INFORMATION			
RESPIRATORY PROTECTION (Specify type) Avoid inhalation of vapors. Use with adequate ventilation.			
VENTILATION	LOCAL EXHAUST		SPECIAL
	MECHANICAL (General)	Recommended	OTHER
PROTECTIVE GLOVES	Recommended	EYE PROTECTION	Goggles or face shield
OTHER PROTECTIVE EQUIPMENT None			

SECTION IX - SPECIAL PRECAUTIONS	
PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING Wear protective equipment. Store in closed containers at 80°F or below.	
OTHER PRECAUTIONS Red label material. Avoid heat, flame or electrical spark.	